



#015

- RFI (Request for Information)
- RFP (Request for Proposal)
- CCD (Construction Change Directive)

SIDNEY CITY HALL REMODEL
Sidney, Montana

TO: B&B BUILDERS, INC.
 ATTN: GENTRIE LEMEROND
 108 2nd Street NE
 Sidney, MT 59270

FROM: SDI ARCHITECTS + DESIGN
 ATTN: BRANDON JANSSEN, AIA
 909 Main Street
 Miles City, MT 59301

In order to expedite the Work and avoid or minimize delays in the Work, please respond to the following within (7) calendar days after the send date listed below.

SENT: 02-14-2024

DIVISION(S) AFFECTED: 02,26

REQUEST:

Per the attached drawing revisions, provide an associated cost to add the exterior lighting.

REASON:

Owner request.

CONTRACTOR'S RESPONSE:

DEBIT: **\$25,057.00**
 CALENDAR DAYS: **8 week lead time on fixtures + 2 weeks to install**

If responding to an RFP or CCD, please include any total amounts for associated changes in Contract Time and/or Contract Sum. Contractor is required to provide supplementary breakdowns for justifications of these changes with their response.

BASIC ELECTRICAL REQUIREMENTS

SUMMARY OF WORK:
FURNISH ALL LABOR AND MATERIALS AND PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF COMPLETE AND OPERATING ELECTRICAL SYSTEMS SUBJECT TO THE CONDITIONS OF THE CONTRACT. PROVIDE SATISFACTORY OPERATION OF ALL EQUIPMENT AND CONTROLS TO THE ARCHITECT/ENGINEER UPON REQUEST.

EXAMINATION OF SITE:
VISIT THE SITE BEFORE SUBMITTING BID AS NO EXTRAS WILL BE ALLOWED FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.

COORDINATION:
COORDINATE AND ORDER THE PROGRESS OF WORK TO CONFORM TO THE OWNER'S SCHEDULE AND THE PROGRESS OF THE WORK OF THE OTHER TRADES. SCHEDULE PLAN WORK SO THAT THE DURATION OF THE INTERRUPTIONS ARE KEPT TO A MINIMUM. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE, IT IS NOT POSSIBLE TO INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. VERIFY ALL SPACE REQUIREMENTS, COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.

VERIFY ALL EQUIPMENT IS READY FOR ELECTRICAL CONNECTIONS. COORDINATE ALL ELECTRICAL CONNECTIONS WITH THE START-UP OF THE EQUIPMENT.

THE CONTRACTOR SHALL PLAN HIS WORK TO PROCEED WITH MINIMUM INTERFERENCE WITH OTHER TRADES AND IT SHALL BE HIS RESPONSIBILITY TO INFORM THE GENERAL CONTRACTOR OF ALL OPENINGS REQUIRED IN THE BUILDING STRUCTURE FOR INSTALLATION OF WORK, AND TO PROVIDE SLEEVES, AS REQUIRED.

QUALITY ASSURANCE:
PERFORM WORK IN ACCORDANCE WITH GOOD COMMERCIAL PRACTICE. PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL STANDARDS. THE QUALITY APPEARANCE OF THE FINISHED WORK SHALL BE OF EQUAL IMPORTANCE WITH ITS ELECTRICAL EFFICIENCY. THE ARCHITECT/ENGINEER MAY REJECT WORK IF WORKMANSHIP AND APPEARANCE ARE NOT SATISFACTORY. INSTALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

REGULATORY AND CODE REQUIREMENTS:
APPLY FOR AND PAY FOR ALL PERMITS, FEES, LICENSES AND INSPECTIONS FOR THE DIVISION OF WORK. COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AND ORDINANCES. COMPLY WITH REQUIREMENTS OF THE UTILITY COMPANIES. IN THE CASE OF DIFFERENCES BETWEEN THESE REQUIREMENTS AND ORDINANCES, THE MOST STRINGENT SHALL GOVERN. CALL FOR INSPECTIONS REQUIRED BY LOCAL BUILDING INSPECTION AUTHORITY.

WORK SHALL MEET THE REQUIREMENTS OF THE PLANS AND SHALL MEET NO LESS THAN THE MINIMUM REQUIREMENTS AND LATEST CODES AND STANDARDS OF THE FOLLOWING: ANSI, NEC, NEMA, NFPA, OSHA, UL, UBC, LOCAL FIRE MARSHAL, AND SERVING UTILITIES.

PLANS AND SPECIFICATIONS GO HAND IN HAND. WHAT IS REQUIRED IN ONE IS REQUIRED IN BOTH. WHERE CONFLICTS BETWEEN THESE SPECIFICATIONS AND PLANS EXIST, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

RESPONSIBILITY:
BE RESPONSIBLE FOR THE INSTALLATION OF A SATISFACTORY AND COMPLETE SYSTEM IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS. PROVIDE, AT NO EXTRA COST, ALL INCIDENTAL ITEMS REQUIRED FOR COMPLETION OF THE WORK, EVEN THOUGH THEY ARE NOT SPECIFICALLY MENTIONED OR INDICATED ON THE DRAWINGS.

AT ALL TIMES DURING THE PERFORMANCE OF THE CONTRACTOR, PROPERLY PROTECT WORK FROM DAMAGE AND PROTECT THE OWNER'S PROPERTY FROM INJURY OR LOSS. MAKE GOOD ANY DAMAGE, INJURY, OR LOSS, EXCEPT SUCH AS MAY BE DIRECTLY DUE TO THE ERRORS IN THE PROPOSAL DOCUMENTS OR CAUSED BY REPRESENTATIVES OF THE OWNER. ADEQUATELY PROTECT ADJACENT PROPERTY AS PROVIDED BY LAW AND THE DOCUMENTS. PROVIDE AND MAINTAIN PASSAGEWAYS, GUARD FENCES, LIGHTS, AND OTHER FACILITIES AS REQUIRED FOR PROTECTION.

WORKMANSHIP:
WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY WORKMEN SKILLED IN THE PARTICULAR TRADE, INCLUDING WORK NECESSARY TO PROPERLY COMPLETE THE INSTALLATION IN A WORKMANLIKE MANNER TO PRESENT A NEAT AND FINISHED APPEARANCE.

SHOP DRAWINGS:
SUBMIT SHOP DRAWINGS FOR ALL MATERIALS AND EQUIPMENT SHOWING ANY CHANGES REQUIRED IN DISTRIBUTION BOARDS, PANELBOARDS, LIGHT FIXTURES, ELECTRICAL WIRING, SPACE ALLOCATION, ETC.

PROVIDE PRODUCT DATA WITH MANUFACTURER'S CATALOG INFORMATION SHOWING RATINGS, DIMENSIONS, CONFIGURATIONS AND CONSTRUCTION. ALSO PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PROJECT RECORD DRAWINGS:
AT COMPLETION OF WORK, DELIVER COMPLETED PROJECT RECORD DOCUMENTS MARKED WITH FIELD CHANGES TO ARCHITECT/ENGINEER.

OPERATION AND MAINTENANCE DATA:
AT THE COMPLETION OF WORK, SUBMIT (1) ELECTRONIC ON USB/CD IN PDF FORMAT OPERATING AND MAINTENANCE MANUAL TO THE ARCHITECT/ENGINEER FOR APPROVAL. ONCE APPROVED, PROVIDE (1) ELECTRONIC AND (1) PHYSICAL BOUND COPY OF AN OPERATING AND MAINTENANCE MANUAL TO THE OWNER BEFORE SCHEDULING ANY SYSTEM DEMONSTRATION FOR THE OWNER.

WARRANTIES:
PROVIDE A WRITTEN WARRANTY TO THE OWNER COVERING THE ENTIRE ELECTRICAL WORK TO BE FREE FROM DEFECTIVE MATERIALS, EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE.

CLEAN-UP AND CLOSE-OUT:
KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH CAUSED BY THIS CONTRACTOR'S WORK OR HIS EMPLOYEES.

UPON COMPLETION OF WORK, REMOVE MATERIALS, SCRAPS AND DEBRIS RELATIVE TO THIS CONTRACTOR'S WORK AND LEAVE THE PREMISES, INCLUDING CRAWL SPACES AND CHASES, IN CLEAN AND ORDERLY CONDITION.

CLEAN EXPOSED SURFACES OF LIGHT FIXTURES, DISTRIBUTION BOARDS, PANELS AND OTHER EXPOSED ITEMS OF GREASE, DIRT OR OTHER FOREIGN MATERIAL. REMOVE RUBBISH AND DEBRIS RESULTING FROM THE OPERATIONS OF THIS CONTRACTOR AND LEAVE SPACES CLEAN AND READY FOR USE.

BASIC MATERIALS AND METHODS:
MOTORS AND STARTERS:
ALL MOTORS, STARTERS AND OTHER ELECTRICAL CONTROL EQUIPMENT SHALL BE LISTED PER THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC).

COREDILLING AND SAWCUTTING:
PROVIDE ALL COREDILLING AND SAWCUTTING REQUIRED BY THE WORK IN THIS DIVISION. FIRE AND SMOKE SEAL ALL PENETRATIONS TO MAINTAIN RATINGS OF ALL AREA SEPARATIONS. PATCH AND PREPARE SURFACE TO RECEIVE NEW FINISH WHERE SPECIFIED BY THE ARCHITECT. FINISH SURFACE TO MATCH SURROUNDING SURFACE FINISHES, AS SPECIFIED.

SEALING:
MAINTAIN ALL CEILING, FLOOR AND WALL PROTECTION RATINGS FOR FIRE AND SMOKE. SEAL ALL CONDUIT AND ENCLOSURE PENETRATIONS TO COMPLY WITH UL ASSEMBLY AND BUILDING CODE REQUIREMENTS. ALL SEALANTS AND CONSTRUCTIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO APPLICATION. ALL OPENINGS SHALL BE SEALED DAILY.

RACEWAYS:
RACEWAYS SHALL BE CONCEALED AND APPROVED FOR USE AND LOCATION. DRY LOCATIONS - GRC, IMC, EMT. FLEXIBLE CONDUIT - GALVANIZED STEEL, LIQUIDTIGHT.

JUNCTION AND PULL BOXES: SIZE PER THE NEC.
DRY LOCATIONS - STEEL WITH COVERS.
WET LOCATIONS - CAST ALUMINUM.

COUPLINGS AND CONNECTORS:
GRC - THREADED
IMC - THREADED
EMT - COMPRESSION
PVC - CEMENT
JOINT TYPE - INDENTER TYPE CONNECTORS PROHIBITED.

WIRING DEVICES AND PLATES:
DUPLX OUTLETS - PASS & SEYMOUR CR SERIES, 120VAC, 15 & 20 AMP
USB OUTLETS - PASS & SEYMOUR TRISUSBAC6 120VAC, 15AMP
GFCI OUTLETS - PASS & SEYMOUR - CR SERIES, 120VAC, 15 & 20 AMP AC
SWITCHES - PASS & SEYMOUR - CR SERIES, 120VAC, 15 & 20 AMP
DEVICE COLOR - WHITE (VERIFY WITH ARCHITECT)
PLATES - WHITE NON-BREAKABLE NYLON (VERIFY WITH ARCHITECT)

ALL RATINGS SHALL MATCH BRANCH CIRCUIT AND LOAD CHARACTERISTICS.
ALL RECP.T. IN KITCHEN TO BE GFI PROTECTED PER NEC.

WIRE:
COPPER ONLY WITH THHN/THWN TYPE INSULATION IN RACEWAY. NO ALUMINUM CONDUCTORS ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. UL LISTED LUGS AND CONNECTORS, NEC APPROVED COLOR CODING. ALL WIRE SHALL HAVE AN INSULATION VOLTAGE RATING OF 600 VOLTS, AND AN INSULATION TEMPERATURE RATING OF 75 DEGREES C.

WIRE COLORS: BLACK, RED, AND BLUE FOR CIRCUITS AT 120/208V, SINGLE OR THREE PHASE. BROWN, ORANGE, AND YELLOW FOR CIRCUITS AT 277/480V.

SUPPORTS AND HANGERS:
SUPPORTS AND HANGERS MUST BE UL LISTED AND APPROVED BY LOCAL INSPECTORS.

ANCHORS:
HOLLOW MASONRY - TOGGLE BOLT.
SOLID MASONRY - EXPANSION BOLT.
METAL - MACHINE SCREWS, BOLTS, WELDING.
WOOD - WOOD SCREWS.

GROUNDING:
IN STRICT ACCORDANCE WITH THE NEC AND UTILITY COMPANY REGULATIONS. PROVIDE COPPER EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS.

PERMANENTLY ATTACH EQUIPMENT AND GROUNDING CONDUCTORS PRIOR TO ENERGIZING EQUIPMENT.

NAMEPLATES:
PROVIDE ON ALL PANELS, DISCONNECTS AND EQUIPMENT. NAMEPLATES SHALL HAVE 3/16" HIGH LETTERS ENGRAVED WITH CONTRASTING COLOR FILL. DEVICE PLATE ENGRAVING SHALL BE 1/8" HIGH LETTERS WITH CONTRASTING COLOR FILL.

PANELBOARDS:
MANUFACTURER, STYLE, ETC. EXISTING. COMPLETE WITH TYPEWRITTEN DIRECTORY, CIRCUIT BREAKERS (MULTIPLE-POLE INTERNAL TRIP), DEAD FRONT, LOCKING DOORS, UL LISTING, ETC. PROVIDE NEW TYPEWRITTEN PANEL DIRECTORIES IN ALL PANELS AFFECTED BY THE RENOVATION SCOPE OF WORK.

LIGHT FIXTURES:
PROVIDE NEW LIGHT FIXTURES AS SCHEDULED COMPLETE WITH TRIMS, LAMPS, FUSES, GASKETS, BALLASTS, OPTIONS, ACCESSORIES, ETC. AS SCHEDULED.

INSTALL SUSPENDED LIGHT FIXTURES USING CHAIN HANGERS WITH SUFFICIENT LENGTH REQUIRED TO SUSPEND THE FIXTURE AT HEIGHT SPECIFIED.

SUPPORT LIGHT FIXTURES INDEPENDENT OF CEILING FRAMING. CONNECT LIGHT FIXTURES TO BRANCH CIRCUITS, AS INDICATED. INSTALL SPECIFIED LAMPS IN EACH FIXTURE.

MECHANICAL EQUIPMENT:
SEE PLANS FOR CONNECTION OF MECHANICAL EQUIPMENT. PROVIDE FLEXIBLE CONDUIT (WITH EQUIPMENT GROUND CONDUCTOR) CONNECTION AT ALL MOTORS.

ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTION WITH MECHANICAL CONTRACTOR. ALSO, ELECTRICAL CONTRACTOR SHALL OBTAIN MECHANICAL SUBMITTALS TO COORDINATE DISCONNECT MEANS, SPECIFICATIONS, AND VOLTAGE REQUIREMENTS PRIOR TO ROUGH-IN. VERIFY REQUIREMENTS FOR EACH UNIT WHEN DELIVERED TO SITE. IF DISCREPANCIES OCCUR, NOTIFY THE ELECTRICAL ENGINEER AND ARCHITECT IMMEDIATELY.

ELECTRICAL CONTRACTOR IS TO REVIEW AND COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS, INCLUDING ALL EQUIPMENT SCHEDULES TO ENSURE THAT ALL CONNECTIONS FOR THEIR EQUIPMENT ARE PROVIDED. DEVICE LOCATIONS ARE TO BE COORDINATED WITH THE APPROPRIATE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK OR ELECTRICAL ROUGH-INS.

ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH MECHANICAL CONTRACTOR TO PROVIDE 120V POWER, IF NEEDED, TO ACCOMMODATE ANY LOW VOLTAGE REQUIREMENTS THAT MECHANICAL EQUIPMENT MAY HAVE.

INSTALL DISCONNECT SWITCHES, CONTROLLERS, ETC. TO COMPLETE ALL EQUIPMENT WIRING REQUIREMENTS.

DRAWINGS AND MEASUREMENTS:
CONTRACT DRAWINGS FOR ELECTRICAL WORK ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, CONDUITS AND APPROXIMATE SIZES AND LOCATIONS OF EQUIPMENT AND OUTLETS. ELECTRICAL TRADES SHALL FOLLOW THESE DRAWINGS IN LAYING OUT THEIR WORK, CONSULT GENERAL CONSTRUCTION DRAWINGS TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THEIR WORK, AND SHALL VERIFY SPACES IN WHICH THEIR WORK WILL BE INSTALLED. COORDINATE WORK WITH OTHER TRADES AS JOB CONDITIONS REASONABLY REQUIRE.

WHERE JOB CONDITIONS REQUIRE REASONABLE CHANGES IN INDICATED LOCATIONS AND ARRANGEMENT, MAKE SUCH CHANGES WITHOUT EXTRA COST TO OWNER.

THE DRAWINGS ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS AND ARE NOT TO SERVE AS SHOP DRAWINGS.

ALL RACEWAYS SHALL BE CONCEALED IN FINISHED SPACES UNLESS NOTED OTHERWISE. SURFACE-MOUNTED RACEWAYS (WIREMOLD) SHALL BE LIMITED IN USE AND ONLY PERMITTED WHERE PRIOR APPROVAL IS OBTAINED FROM THE ARCHITECT. RACEWAYS IN NON-FINISHED SPACES, SUCH AS MECHANICAL ROOMS AND CRAWL SPACES, SHALL BE PERMITTED TO BE EXPOSED. ALL EXPOSED RACEWAYS SHALL BE ROUTED PLUMB AND SQUARE TO BUILDING SURFACES. RACEWAYS IN NON-FINISHED SPACES SHALL BE INSTALLED SUCH THAT MAJOR RELOCATION IS NOT REQUIRED WHEN CEILINGS AND WALLS ARE INSTALLED IN THE FUTURE.

OWNER SUPPLIED EQUIPMENT:
COORDINATE ELECTRICAL CONNECTIONS FOR OWNER-SUPPLIED EQUIPMENT WITH OWNER, MANUFACTURER DATA, AND EQUIPMENT NAMEPLATE INFORMATION.

SUBSTITUTIONS:
ALL SUBSTITUTIONS TO BE APPROVED BY OWNER, ARCHITECT AND ENGINEER.

INSTALLATION:
INSTALL WORK IN ACCORDANCE WITH STATE AND LOCAL STANDARDS.

RACEWAY ROUTING, WHEN SHOWN, IS IN APPROXIMATE LOCATIONS. FIELD COORDINATE ROUTING.

CUT CONDUIT SQUARE USING SAW OR PIPE CUTTER; DEBURR CUT ENDS.

INSTALL SUITABLE PULLSTRING OR CORD IN EACH EMPTY RACEWAY. INSTALL SUITABLE CAPS TO PROTECT INSTALLED CONDUIT AGAINST ENTRANCE OF DIRT AND MOISTURE.

INSTALL FITTINGS TO ACCOMMODATE EXPANSION AND DEFLECTION WHERE RACEWAY CROSSES CONTROL AND EXPANSION JOINTS.

ELECTRICAL IDENTIFICATION:
PROVIDE ELECTRICAL IDENTIFICATION:
A. ALL NEW JUNCTION BOX COVERS AND RECEPTACLE COVERPLATES TO HAVE PANEL, CIRCUIT AND SERVICE INFORMATION.
B. ALL PANELS TO HAVE NEW TYPE WRITTEN REGISTERS.
C. ALL PANELS SHALL BE LABELED ON OUTSIDE OF COVER (3" WIDE BY 1-1/4" HIGH WITH 1/4" LETTERS) WITH:
1. PANEL DESIGNATION
2. CIRCUIT # & LOCATION PANEL IS SERVED FROM
3. VOLTAGE / PHASE
4. WIRING COLOR DESIGNATIONS
5. ON OUTSIDE OF CIRCUIT BREAKER DOOR PLACE NEC 70E WARNING LABEL FOR ARC FLASH. LABEL SHALL INCLUDE SPEE REQUIREMENTS FOR WORKING ON LIVE PANELS.
D. PROVIDE LABELING ON ALL EQUIPMENT STARTERS/DISCONNECTS OF EQUIPMENT STATING EQUIPMENT DESIGNATION, PANEL & CIRCUIT EQUIPMENT IS SERVED FROM.
E. PROVIDE LABELING ON ALL CONTACTORS STATING SERVICE, PANEL & CIRCUIT CONTACTOR IS SERVED FROM.

ELECTRICAL LEGEND

- PANEL
- TELEPHONE BOARD
- DISCONNECT SWITCH
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- BRANCH CIRCUIT CONCEALED IN OR UNDER FLOOR
- EMPTY CONDUIT - 3/4" UNLESS OTHERWISE NOTED
- HOME RUN TO PANEL. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS
- NUMBER OF HASHMARKS INDICATES NUMBER OF CONDUCTORS. NO HASHMARKS INDICATES TWO CONDUCTORS.
- LED LIGHT FIXTURE (WALL OR CEILING MOUNT)
- LED LIGHT FIXTURE (SURFACE)
- LED LIGHT FIXTURE (RECESSED)
- DIRECT/INDIRECT LED LIGHT FIXTURE (RECESSED)
- EMERGENCY EXIT LIGHT
- EMERGENCY LIGHTING
- EMERGENCY EXTERIOR LIGHTING
- DUPLEX CONVENIENCE RECEPTACLE - GROUNDED TYPE
- QUAD OUTLET
- FLOOR OUTLET
- WEATHERPROOF OUTLET
- RANGE OUTLET (WITH CORD CAP)
- TELEPHONE/DATA OUTLET
- MOTOR
- SPECIAL EQUIPMENT OUTLET AS NOTED
- TELEVISION OUTLET
- JUNCTION BOX OR J-BOX
- SWITCH
- SWITCH-3 WAY
- SWITCH-4 WAY
- SWITCH-DIMMER
- SWITCH-FUSE STATT
- NOTE DESIGNATION
- MECHANICAL EQUIPMENT UNIT IDENTIFICATION
- EXISTING DEVICE TO REMAIN IN USE
- OCCUPANCY SENSOR-WATT STOPPER DT-355
- OCCUPANCY SENSOR-WATT STOPPER PW-100
- OCCUPANCY SENSOR W/SENSOR-WATT STOPPER PW-311 0-10V DIMMER

ELECTRICAL ABBREVIATIONS LIST

AMP	AMPERE	PNL	PANELBOARD
AC	ALTERNATING CURRENT	PHN	PHONE
AFC	ABOVE FINISHED COUNTERTOP	PR	PRINTER
AFF	ABOVE FINISHED FLOOR	PRI	PRIMARY
AWG	AMERICAN WIRE GAUGE	RECP.T	RECEPTACLE
BKR	BREAKER	RM	ROOM
BLD.G	BUILDING	SCHED	SCHEDULE
CD	CIRCUIT BREAKER	SEC	SECONDARY
C	CONDUIT	SHT	SHEET
CLG	CEILING	SPD	SURGE PROTECTIVE DEVICE
IT	DATA COMMUNICATIONS ROOM	SPEC	SPECIFICATIONS
DIA	DIAMETER	SWBD	SWITCHBOARD
DISC	DISCONNECT	TVSS	TRANSIENT VOLTAGE SURE SUPPRESSOR
DWG	DRAWING		
EC	ELECTRICAL CONTRACTOR	TYP	TYPICAL
ELEC	ELECTRICAL	UNO	UNLESS NOTED OTHERWISE
EQUIP	EQUIPMENT	V/D	VOICE/DATA
EX	EXISTING	V	VOLT: VOLTAGE
EG	EQUIPMENT GROUND	VA	VOLT AMPHERES
EMT	ELECTRICAL METALLIC TUBING	VC	VIDEO CAMERA
EWC	ELECTRIC WATER COOLER	WP	WATER PROOF
GC	GENERAL CONTRACTOR	WS	WR WATER RESISTANT
GRD	GROUND	WS	WORK STATION
GFI	GROUND FAULT INTERRUPTING	XFMR	TRANSFORMER
IG	ISOLATED GROUND	#	NUMBER
KVA	KILOVOLT AMPHERE		
KW	KILOWATT		
LAN	LOCAL AREA NETWORK		
MCB	MAIN CIRCUIT BREAKER		
MLO	MAIN LUGS ONLY		
MM	MILLIMETERS		
NA	NOT APPLICABLE		
NEC	NATIONAL ELECTRICAL CODE		
NEMA	NATIONAL ELECTRICAL		
NTS	NOT TO SCALE		
P	POLE		
PH	PHASE		

LIGHT FIXTURE SCHEDULE

LETTER DESIG.	FIXTURE				LAMP		NOTES
	MANUFACTURER	CATALOG NO.	LOCATION	TYPE	TYPE	NO.	
A	JLC TECH	TBLX MW MO 4 24U DW U W UNV	CEILING	RECESSED	21W LED	-	(1)
B	JLC TECH	TBLX MW MO 2 24U DW U W UNV	CEILING	RECESSED	10W LED	-	(1)
C	NOT USED	-	-	-	-	-	-
D	LSI	SFP24LED50UEDIM35	CEILING	RECESSED	50W LED	-	-
E	LSI	SFP22LED30UEDIM35	CEILING	RECESSED	30W LED	-	-
F	NOT USED	-	-	-	-	-	-
G	LSI	SDL4LED40FLUNV40 80 CRI	CEILING	SURFACE	30W LED	-	-
H	MAXIM	26370CLNAB	WALL	SURFACE	12W LED	-	(2)
I	NOT USED	-	-	-	-	-	-
J	NORA	NLOS-S42-35-WW	CEILING	SURFACE	11W LED	-	-
K	NORA	NLOS-R72-35-WW	CEILING	SURFACE	14W LED	-	-
L	MAXIM	26129CLBZAB	CEILING	SURFACE	(5)	1	-
M	REJUVENATION	6685912	CEILING	SUSPENDED	(3)	3	-
N	MULE	SQC-LED-1-R-WW	WALL	SURFACE	LED	-	-
O	MULE	SQ-LED	WALL	SURFACE	LED	-	-
P	LSI	GSR4LFTUNV40K7BRZPCIUNV BB	WALL	SURFACE	33W LED	-	-
Q	MAXIM	100850106	CEILING	SUSPENDED	(4)	-	(3)
R	TMS LIGHTING	4W0 17LED 40K120WM FINISH G2 W16 HYW10	WALL	SURFACE	17W LED	-	(7)

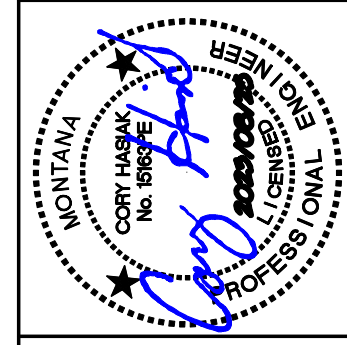
- (1) COORDINATE FIXTURE MOUNTING WITH BAR CEILING INSTALLER.
- (2) MOUNT 4" ABOVE TOP OF MIRROR. CENTER ON MIRROR.
- (3) PROVIDE A DIMMABLE 100W EQUIVALENT LED TYPE 'A' LAMP.
- (4) PROVIDE A 60W EQUIVALENT LED TYPE 'A' LAMP.
- (5) PROVIDE A 60W EQUIVALENT CLEAR LED TYPE 'A' LAMP.
- (6) FIELD VERIFY MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- (7) FINISH AS SELECTED BY ARCHITECT.

03 EXT LITES

03 EXT LITES

arch bronze

sdi architects + design
909 main street
miles city, montana 59301
406.234.0777



simplicity
CONSULTING, ENGINEERING, & DESIGN
PO BOX 8122
BILINGS, MT 59108-1222
406.254.7157
chois@simplicitycd.com

CITY HALL REMODEL
City of Sidney
115 2nd Street SE, Sidney MT 59270

Revisions
2023/09/08 ADD#1
2023/12/13 RFP004
2024/02/14 EXT LITES

Copyright © 2024
BY sdi architects + design

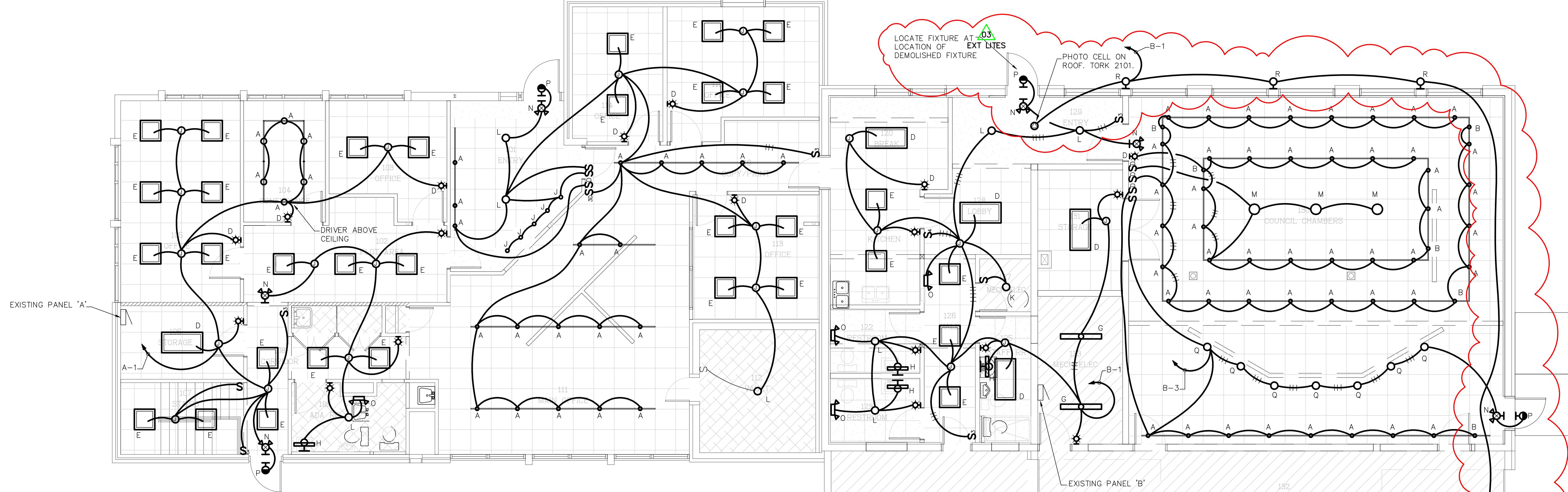
JOB # 2022007
DRAWN CC / CH
CHECK CC / CH
DATE 02.14.24

ELEC. REQRMNT'S

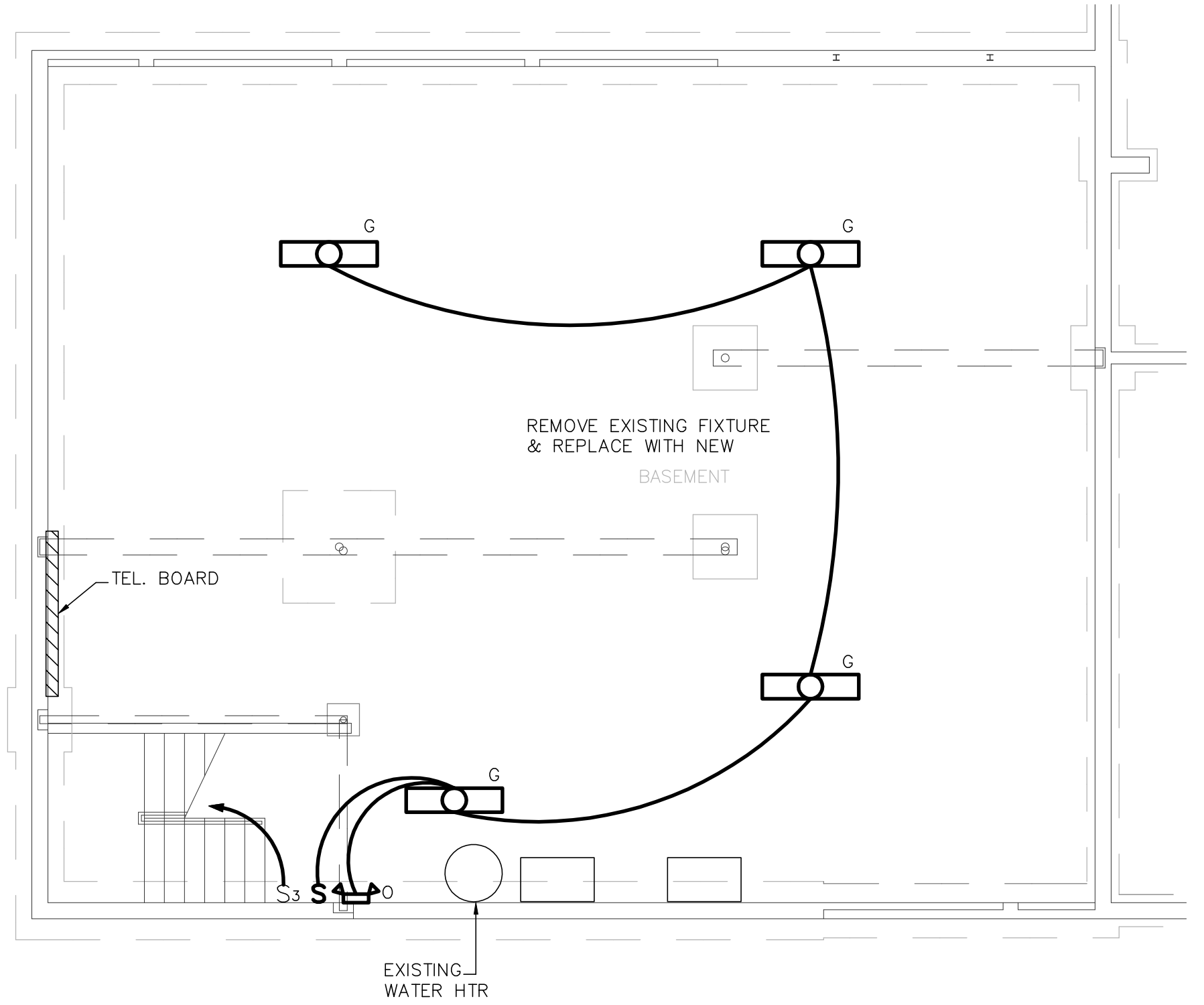
E1.0

SCALE 2024.02.06 OFFICIAL STAMPED RECORD DRAWINGS ARE LOCATED AT THE BUSINESS OFFICE OF THE REGISTERED PROFESSIONAL ENGINEER WHO SEALED THE DRAWING. DEVIATIONS OR MODIFICATIONS FROM THE OFFICIAL SEALED SET WHO THE BENEFIT OF THE PROFESSIONAL OF RECORD OR THE CONTRACTOR OR OWNER. THESE DRAWINGS ARE COPYRIGHT PROTECTED BY SIMPLICITY LLC, LLC.

SC920 2024.0055 OFFICIAL STAMPED RECORD DRAWINGS ARE LOCATED AT THE BUSINESS OFFICE OF THE REGISTERED PROFESSION WHO SEALED THIS DRAWING. REVISIONS OR MODIFICATIONS FROM THE OFFICIAL SEALER SET W/O THE BENEFIT OF THE PROFESSIONAL OF RECORD IS AT THE RISK OF THE CONTRACTOR OR OWNER. THESE DRAWINGS ARE COPYRIGHT PROTECTED BY SIMPLICITY CED, LLC.

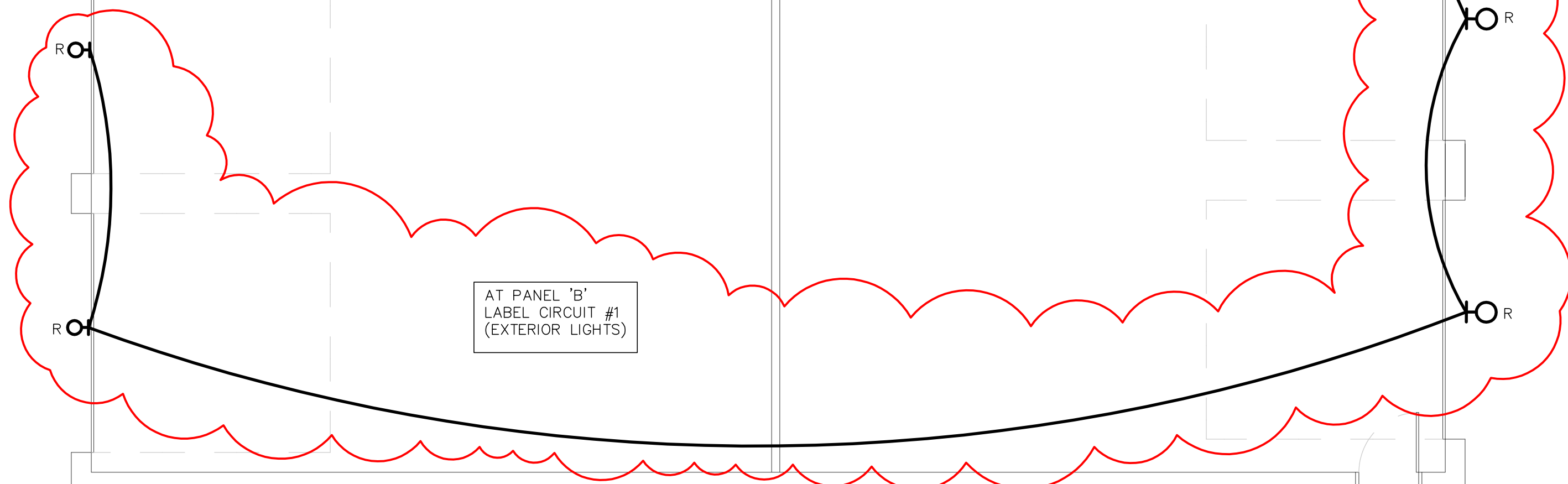


1 - Lighting Plan -
3/16" = 1'-0"



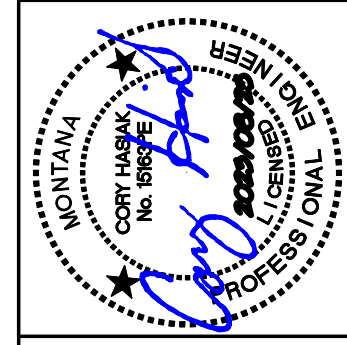
2 - Basement Elec. Plan -
3/16" = 1'-0"

install leftover wall pack here



AT PANEL 'B'
LABEL CIRCUIT #1
(EXTERIOR LIGHTS)

sdi architects + design
909 main street
miles city, montana 59301
406_234_0777



simplicity
CONSULTING, ENGINEERING, & DESIGN
PO BOX 8122
BURLING, MT 59108-1222
406.254.7157
chadwick@simplicityced.com

CITY HALL REMODEL
City of Sidney
115 2nd Street SE, Sidney MT 59270

Revisions	
2023/09/08	ADD#1
2023/12/13	RFP004
2024/02/14	EXT LITES

Copyright © 2024
BY sdi architects + design

JOB #	2022007
DRAWN	CC / CH
CHECK	CC / CH
DATE	02.14.24

LIGHTING PLAN

E1.1

Prairie Electric Inc

PO BOX 178
SAVAGE, MT 59262
406-776-2474

Estimate

Date	Estimate #
3/19/2024	1516

Name / Address
B & B BUILDERS 108 2ND STREET NE SIDNEY, MT 59270

Qty	Description	Rate	Total
	PROJECT: SIDNEY CITY HALL RFP #015 EXTERIOR LIGHTING		
9	TYPE R LIGHTS	995.00	8,955.00
	MATERIALS TO INCLUDE: CONDUIT MC CABLE J-BOXES COVERS CONNECTORS COUPLINGS STRAPS PHOTO EYE MISC HARDWARE TO COMPLETE JOB	1,525.00	1,525.00
	LABOR TO INCLUDE: RUN CONDUIT AND MC CABLE AROUND BUILDING. DRILL HOLES THROUGH BRICK AT NEW LIGHT LOCATIONS. USE ATTIC WHERE WE CAN TO RUN WIRING. RUN EXPOSED WHERE NEEDED TO GET TO LIGHT LOCATIONS. MOUNT LIGHTS TO BRICK. INSTALL ONE PHOTO EYE TO CONTROL ALL 9 LIGHTS. NOT PUTTING PHOTO EYE ON ROOF. WILL PUT ON WALL OR SOFFIT TO SAVE ON ROOF PENETRATION & PATCHING. TERMINATE WIRES & TEST.	10,925.00	10,925.00
	21,405.00 x 7% OH = 22,903.35 x 8% Profit = 24,735.62 x 1.3% Bond = 25,057.18		

	Total	\$21,405.00
--	--------------	-------------

This estimate is valid for 7 days.

Signature _____

FORTE™ WALL

PROJECT: _____

TYPE: _____

QUANTITY: _____



PN: 4W

APPLICATION	<ul style="list-style-type: none">• WALL MOUNT• INDOOR OR OUTDOOR RATED
DIMENSION	<ul style="list-style-type: none">• 16" (40CM)
ILLUMINATION	<ul style="list-style-type: none">• DIRECT• LED 90CRI• 1,342 - 1,846 LUMENS
ELECTRICAL	<ul style="list-style-type: none">• 120V, 277V, AND 347V• 10KA SURGE SUPPRESSION STANDARD
DRIVER	<ul style="list-style-type: none">• WALL MOUNT (INTEGRAL)• REMOTE MOUNT (INDOOR OR OUTDOOR)
DIFFUSERS	<ul style="list-style-type: none">• CLEAR OR FROSTED, ELONGATED, GLASS GLOBE
MOUNTING	<ul style="list-style-type: none">• WALL, MOUNTED TO A 4"(10CM) J-BOX
CONSTRUCTION	<ul style="list-style-type: none">• ALUMINUM
FINISHES	<ul style="list-style-type: none">• AVAILABLE ANODIZED, BRUSHED, AND IN SEVERAL TMS POWDER COATED FINISHES• CUSTOM RAL FINISHES AVAILABLE
DIMMING	<ul style="list-style-type: none">• 0 - 10V STANDARD DIMMING
WEIGHT	<ul style="list-style-type: none">• 6.7 LB MAXIMUM



TMSLIGHTING



1